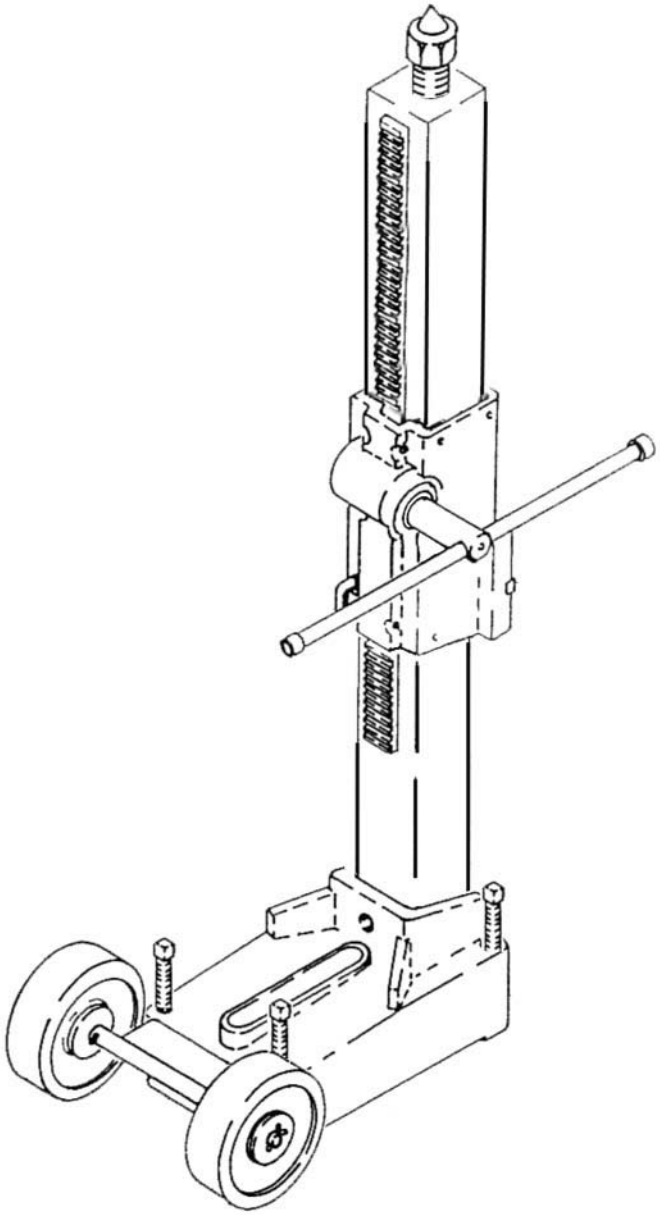
DRILL STAND 2512
Operating and Maintenance Instructions
Spare Parts List



TARGET

⚠ Warning

Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products and
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposure varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area and work with approved safety equipment, such as those dust masks that are specially designed to filter out miscroscopic particles.

•REFER TO MANUAL•

Introduction

Congratulations on your selection of a Target 2512 Drill Stand. We are certain you will be pleased with your purchase of one of the finest drill stand on the market.

We want to help you get the best performance from your new machine and to operate it safely. This manual contains the information on how to do that. Please read this manual thoroughly, as it contains important information on operational safety, maintenance and suggestions on how to get the best performance from your Drill Stand.

Best Wishes
Target

Hazard Symbols

⚠ Explosive Fuel

Gasoline is extremely flammable and its vapors can explode if ignited. Store gasoline only in approved containers, in well-ventilated, unoccupied buildings, away from sparks or flames. Do not fill the tank while the engine is hot or running, since spilled fuel could ignite if it comes in contact with hot parts or sparks from ignition. Do not start the engine near spilled fuel. Never use gasoline as a cleaning agent.

⚠ Hot Parts!

Engine components can get extremely hot from operation. To prevent severe burns, do not touch these areas while the engine is running or immediately after it is turned off. Never operate the engine with heat shields or guards removed.

⚠ Rotating Parts!

Keep hands, feet, hair and clothing away from all moving parts to prevent injury. Never operate the engine with covers, shrouds or guards removed.

⚠ Lethal Exhaust Gasses!

Engine exhaust gasses contain poisonous carbon monoxide. Carbon monoxide is odorless, colorless and can cause death if inhaled. Avoid inhaling exhaust fumes and never run the engine in a closed building or confined area.

⚠ Rotating Parts!

Never tamper with the governor components or settings to increase the maximum speed. Severe personal injury and damage to the engine or equipment can result if operated at speeds above maximum.

General Cautions and Warnings

⚠ Caution

Never attempt any adjustment or repair to the machine while the engine is running.
Never put hands or feet under the machine while the engine is running. Serious injury will occur.

⚠ Warning

Never run the engine in an unventilated area.

⚠ Warning

Never fill the fuel tank with the engine running. Spilling diesel fuel on a hot engine may cause a fire or explosion.

⚠ Warning

Always wear safety glasses and ear protection when operating this machine.

GENERAL INSTRUCTIONS

This instruction manual describes the assembly, operation, maintenance and safety precautions for proper use of the drill stand. This equipment is intended for industrial applications by experienced operators.

⚠ Warning

IMPROPER USE OF THIS EQUIPMENT OR IMPROPER MACHINE ALTERATIONS MAY BE EXTREMELY DANGEROUS.

The operator is cautioned against using this machine before having read and fully understood the instructions presented in this manual.

USER RESPONSIBILITIES

It is the operator's responsibility to be fully aware of the requirements for operator safety and the safety of co-workers, observers and public at large, to provide a safe working environment and to follow proper safety procedures when operating this equipment. Operators must use approved ear protection or plugs, safety hat, eye protectors, gloves safety shoes and any other personal protective equipment required for compliance with standard safety practices or federal, state and local codes and regulations, pertaining to safety, pollution, noise, etc.

MODEL 2512 DRILL STAND ASSEMBLY

The Model 2512 Drill Stand consists of a Column, Base, Carriage and Motor Adapter as shown in Figure 1.

1. Attach Column to Base with 1/2-13 x 3 Hex Head Bolts (541403540).
2. Install keys in Carriage and Adapter.
3. Install Handle into Pinion as shown in on page 6. Install Cap on handle.
4. Install Carriage on Column and adjust clearance Wear Plates with screw (541403762) using 1/8" hex key.
5. Attach drill motor (not provided) to Adapter with capscrews provided and secure adapter to Carriage with capscrews (541403761).

⚠ Caution

LOCK CARRIAGE TO COLUMN WHEN NOT IN USE BY TIGHTENING LOCK SCREW (541401738)

OPERATION

1. Set 1/2" anchor (not provided) and place Base over anchor.
2. Adjust leveling screws to positions Column properly.
3. Secure Base to anchor.

⚠ Caution

BEFORE STARTING DRILL MOTOR, MAKE SURE DRILL STAND IS SECURELY ATTACHED TO SURFACE TO BE DRILLED.

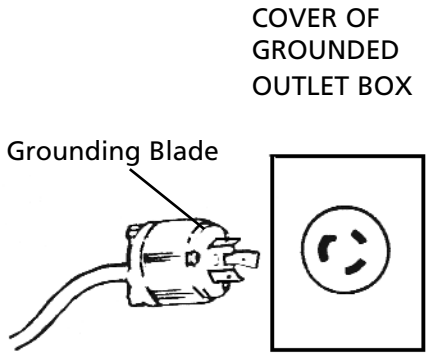
MAINTENANCE

Clean the Drill Stand after each use. Check carriage play on the Column and adjust the Wear Plates if required. Inspect and tighten all capscrews.

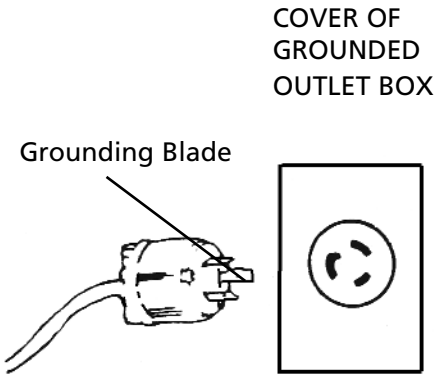
GROUNDING INSTRUCTIONS

This drill should be grounded while in use to protect the operator from electric shock. The drill is equipped with an approved three-conductor cord and three-prong, grounding-type plug to fit the proper grounding-type receptacle. The green conductor in the cord is the grounding wire. Never connect the green wire to a live terminal.

NOTE: RECEPTACLE MUST BE GROUNDED FOR SAFE USE OF ADAPTER: IF IN DOUBT CALL QUALIFIED ELECTRICIAN AND HAVE THE RECEPTACLE CHECKED FOR GROUND.



NEMA
L5-20
PLUG AND RECEPTACLE
FIGURE A



NEMA
L6-20
PLUG AND RECEPTACLE
FIGURE B

To connect twist locking plugs like those shown in Figures A and B, insert the plug into a matching outlet. When the plug is fully inserted, turn it clockwise until it locks. This prevents the plug from being pulled out accidentally. To remove the plug, twist it counterclockwise to unlock it and remove it from the outlet.

SAFETY INSTRUCTIONS FOR ALL ELECTRIC POWERED DRILLS

⚠ Warning

WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK AND PERSONAL INJURY INCLUDING THE FOLLOWING ITEMS. READ ALL INSTRUCTIONS AND SAVE THEM FOR FUTURE REFERENCE.

1. GROUND ALL TOOLS. If the tool is equipped with a three prong plug, it should be plugged into a three hole electrical receptacle. If an adapter is used to accomodate a two hole receptacle, the grounding ear must be attached to a known ground. Never remove the third prong.

2. DON'T FORCE DRILL. It will do the job better and safer at the rate for which it was designed.

3. WEAR PROPER APPAREL. No loose clothing or jewelry to get caught in moving parts. Rubber gloves and insulated non-skid footwear are recommended when working out doors. Wear protective covering to contain long hair.

4. USE SAFETY GLASSES at all times.

5. DON'T ABUSE CORD. Never carry the tool by its cord or yank it to disconnect from the receptacle. Keep cord from heat, oil and sharp edges.

6. DISCONNECT TOOLS. When not in use; before servicing, when changing accessories such as bits, extension, etc.

7. GUARD AGAINST ELECTRIC SHOCK. Prevent body contact with grounded surfaces such as pipes, radiators, ranges and refrigerator enclosure.

8. REMOVE WRENCHES. Form a habit of checking to see that wrenches are removed from drill spindle and bit before turning it on.

9. MAINTAIN DRILL WITH CARE. Keep drill clean at all times for best and safest perform ance. Follow instructions for lubricating. Keep handles dry, clean and free of oil or grease. Inspect switches, tool cords and extension cords periodically and have them repaired if damaged. Check moving parts for alignment and binding as well as for breakage and improper mounting. Damaged parts should be repaired or replaced.

10. AVOID ACCIDENTAL STARTING. Don't carry a plugged-in drill with your finger on the switch. Be sure the switch is turned off before plugging in a drill. Do not use a drill if the switch does not turn it on or off.

11. WEAR EAR PROTECTORS when using for extended periods.

12. ACCESSORIES. The use of any accessories other than what is listed or recommended for this particular drill may be hazardous.

13. KEEP HANDS AWAY FROM CUTTING EDGES AND ALL MOVING PARTS.

14. USE INSULATED SURFACES. A double-insulated or grounded drill may be made live if the bit comes in contact with live wiring in a wall, floor, ceiling, etc. Always check the work area for live wires.

15. STAY ALERT. Watch what you are doing and use common sense. Do not operate drill when you are tired.

EXTENSION CORD CHART

When an extension cord is used, it should also be a 3 wire cord to permit proper grounding of the drill. As the distance from the supply outlet increases, heavier gauge extensions are required. The use of extension cords of inadequate size wire causes a serious drop in voltage, loss of power and possible motor damage. This table is based on limiting line voltage drop to 5 volts at 150% of rated amperes.

Ampere rating (on Nameplate)	0-2.00	2.10-3.4	3.5-5.00	5.10-7.0	7.10-12.0	12.1-16.0	16.1-20.0	
Ext. Cable Length	Wire Size							
25 Ft.	18	18	18	18	16	14	12	
50 Ft.	18	18	18	16	14	12	10	
75 Ft.	18	18	16	14	12	10	8	
100 Ft.	18	16	14	12	10	8	8	Not
150 Ft.	16	14	12	12	8	8	6	normally
200 Ft.	16	14	12	10	8	6	4	available
300 Ft.	14	12	10	8	6	4	4	as flexible
400 Ft.	12	10	8	6	4	4	2	extension
500 Ft.	12	10	8	6	4	2	2	cord.
600 Ft.	10	8	6	4	2	2	1	
800 Ft.	10	8	6	4	2	1	0	
1000 Ft.	8	6	4	2	1	0	0	

IF USING AN EXTENSION CORD OUTDOORS, BE SURE IT IS MARKED WITH THE SUFFIX "W-A" ("W" IN CANADA) TO INDICATE THAT IS IS ACCEPTABLE FOR OUTDOOR USE.

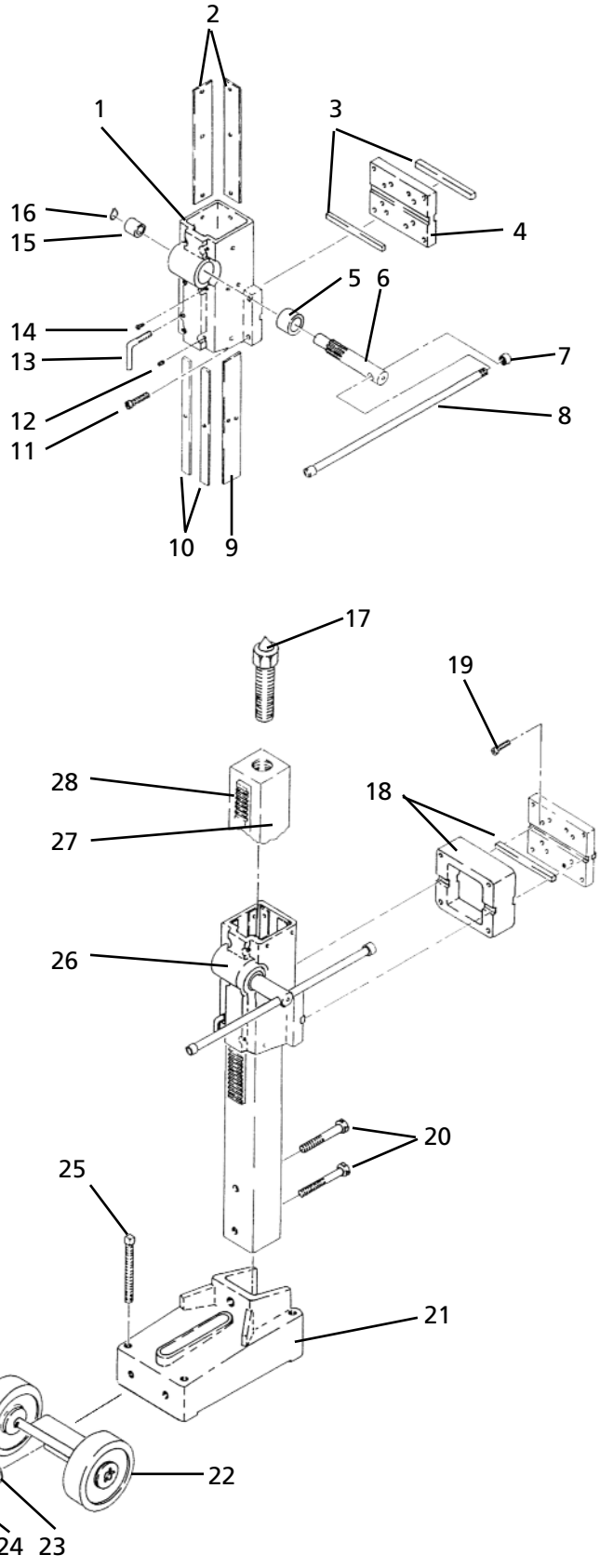
2512 Drill Stand - Parts List

Part No.	Description	Qty.
541403894 D (752000)	Small Base Assembly - Blue	1
541401123 (189A)	Axle Assembly, Small Base & Combination Base	1
541401126 (187A)	Wheel Assembly, Small Base & Combination Base	1
541403523 (C46)	Cotter Pin, Axle 1/8 x 1"	4
541403731 (C8)	Bolt, Wheel Assembly 1/2-13 x 1" Hex Head	2
541403798 (C10)	SAE Washer, 1/2"	2
541401791 (752008)	Wheel, 5"	2
541402238 (C48)	Washer, 5/8"	4
541403534 (C382)	Leveling Screws, 1/2-13 x 4" Square Head	4
541401785 (752015)	Column w/Rack, 2-1/2" Square x 42"	1
541403473 (752016)	Rack Gear	1
541403540 (C34)	Column Bolt, Hex Head 1/2-13 x 3"	2
541401774 (752018)	Motor Adapter Plate	1
541401768 (752019)	Key, 3/8" Square	2
541403763 (C379)	Wear Plate Screw, 10-32 x 3/8" Flat Head	10
541401756 (752023)	Wear Plate - Adjustable - Narrow	2
541403762 (C380)	Adjustment Screw, Wear Plate 1/4-20 x 3/8" Socket Hd	6
541401752 (752024)	Bushing, Bronze - Small	1
541401747 (752025)	Bushing, Bronze - Large	1
541401743 (752026)	Retaining Ring, Pinion	1
541403761 (C381)	Motor Adapter Capscrew 3/8-16 x 1-1/2"	4
541401738 (752033)	Lock Screw, Carriage	1
541401734 (752034)	Jackscrew Assembly, Column	1
541403774 (C294)	Socket Capscrew 1/4-20 x 1" Milwaukee Mtr to Adapter	4
541403771 (C341)	Socket Capscrew 1/4-28 x 1" Dewalt Mtr to Adapter	4
541400277 (73234)	Socket Capscrew M8 x 25 MM Cardi Mtr to Adapter	4
541403893 D (752040)	Carriage Assembly - Blue	1
541401724 (752041)	Pinion - Slide Handle Type	1
541401719 (752042A)	Slide - Handle	1
541401713 (752043)	Cap - Slide Handle	1
541403880 D (752045)	Carriage Body - Blue	1
541401704 (752046)	Wear Plate, Wide - Fixed	2
541401700 (752047)	Wear Plate, Wide - Adjustable	1
541403897 D (752220)	Combination Anchor/Vacuum Base - Blue	1

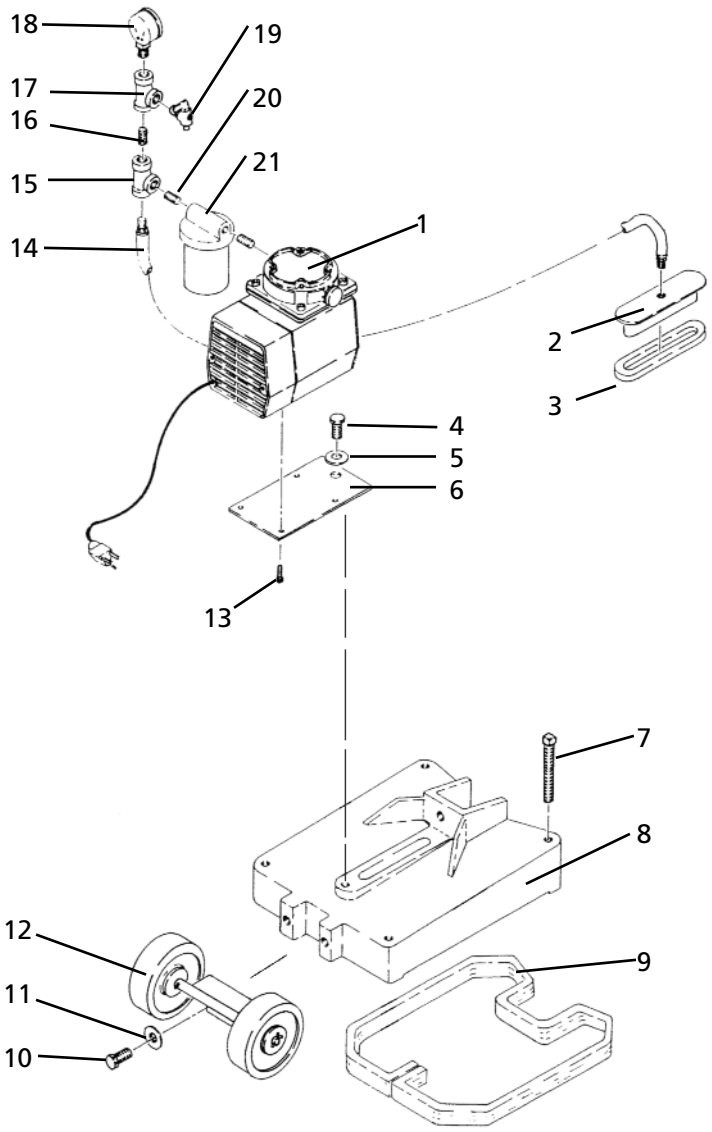
2512 Drill Stand - Parts List

Part No.	Description	Qty.
	VACUUM ASSEMBLY	
541403929 D (752225)	Vacuum Pump w/Fittings and Slot Cap - Blue	1
541401640 (752226A)	Bracket, Pump to Base	1
541401590 (410)	Vacuum Pump Only - 220 Volt	1
541402423 (A41)	Nipple, 1/4 x Close Pipe	3
541401596 (408)	Water Trap	1
541402422 (A42)	Tee, 1/4" Pipe	2
541401635 (752227)	Hose, Pump to Slot Cap	1
541401491 (447)	Vacuum Gauge	1
541401495 (445)	Release Valve	1
541201985 (752221)	Gasket, Combo Base	1
541403927D (752222)	Slot Cap - Blue	1
541201981 (752223)	Gasket, Slot Cap	1
541402234 (C494)	Capscrew, Bracket to Pump, 10-32 x 5/8	4
541401572 (412)	Muffler	1
541403731 (C8)	Bolt, Bracket to Base, 1/2-13 x 1	1
541403798 (C10)	SAE Washer, 1/2"	1
	SWITCHBOX ASSEMBLY	
541 40 10-37 (223)	Receptacle, 20A, Single	1
541 40 36-77 (227)	Strain Relief	1
541 40 10-18 (229)	Switch, Motor	1
541 20 19-11 (230)	Boot, Auxiliary Switch	1
541 40 10-03 (237)	Boot, Motor Switch	1
541 40 09-99 (238)	Switch Plate	2
541 20 19-07 (248)	Ammeter, 0-30A	1
541 40 14-46 (473)	Mounting Bracket (2812 Carriage Only)	1
541 40 14-44 (474)	Clip - Male Dovetail	1
541 40 14-42 (475-1)	Box - Front	1
541 40 14-40 (475-2)	Box - Back	1
541 40 14-38 (476)	Receptacle, 15A, Single	1
541 40 14-36 (477)	Plug, 30A, Twist Lock	1
541 40 16-08 (30622)	Switch, Auxiliary	1
541 40 37-94 (C139)	Lock Nut, 1/4-20	2
541 40 22-70 (C231)	Capscrew, Socket 1/4-20 x 1/2"	2
541 40 36-15 (C255)	Jam Nut, 1/2-20	1
541 40 37-67 (C375)	Capscrew, Button Head 10-32 x 1/4"	4
541 40 37-66 (C376)	Capscrew, Button Head 6-32 x 3/8"	2
541 40 37-64 (C378)	Capscrew, Button Head 8-32 x 3/8"	2
541 40 36-14 (C383)	Jumper, Switch	1

Item Number	Part Number
1	541 40 38-80 (752045) Cast Only
2	541 40 17-04 (752046)
3	541 40 17-68 (752019)
4	541 40 17-71 (752018)
5	541 40 17-47 (752025)
6	541 40 17-24 (752041)
7	541 40 17-13 (752043)
8	541 40 17-19 (752042A)
9	541 40 17-00 (752047)
10	541 40 17-56 (752023)
11	541 40 37-61 (C381)
12	541 40 37-62 (C380)
13	541 40 17-38 (752033)
14	541 40 37-63 (C379)
15	541 40 17-52 (752024)
16	541 40 17-43 (752026)
17	541 40 17-34 (752034)
18	541 40 17-31 (752038) Key Incl.
19	541 40 37-74 (C294) Milwaukee
	541 40 37-71 (C341) DeWalt
	541 40 02-77 (73234) Cardi
20	541 40 35-40 (C34)
21	541 40 38-94 (752000)
22	541 40 11-26 (187A) Assy
	541 40 11-23 (189A) Axle
	541 40 17-91 (752008) Wheel
23	541 40 37-31 (C8)
24	541 40 37-98 (C10)
25	541 40 35-34 (C382)
26	541 40 38-93 (752040) Assy
27	541 40 17-85 (752015) Column
28	541 40 34-73 (752016) Rack Only

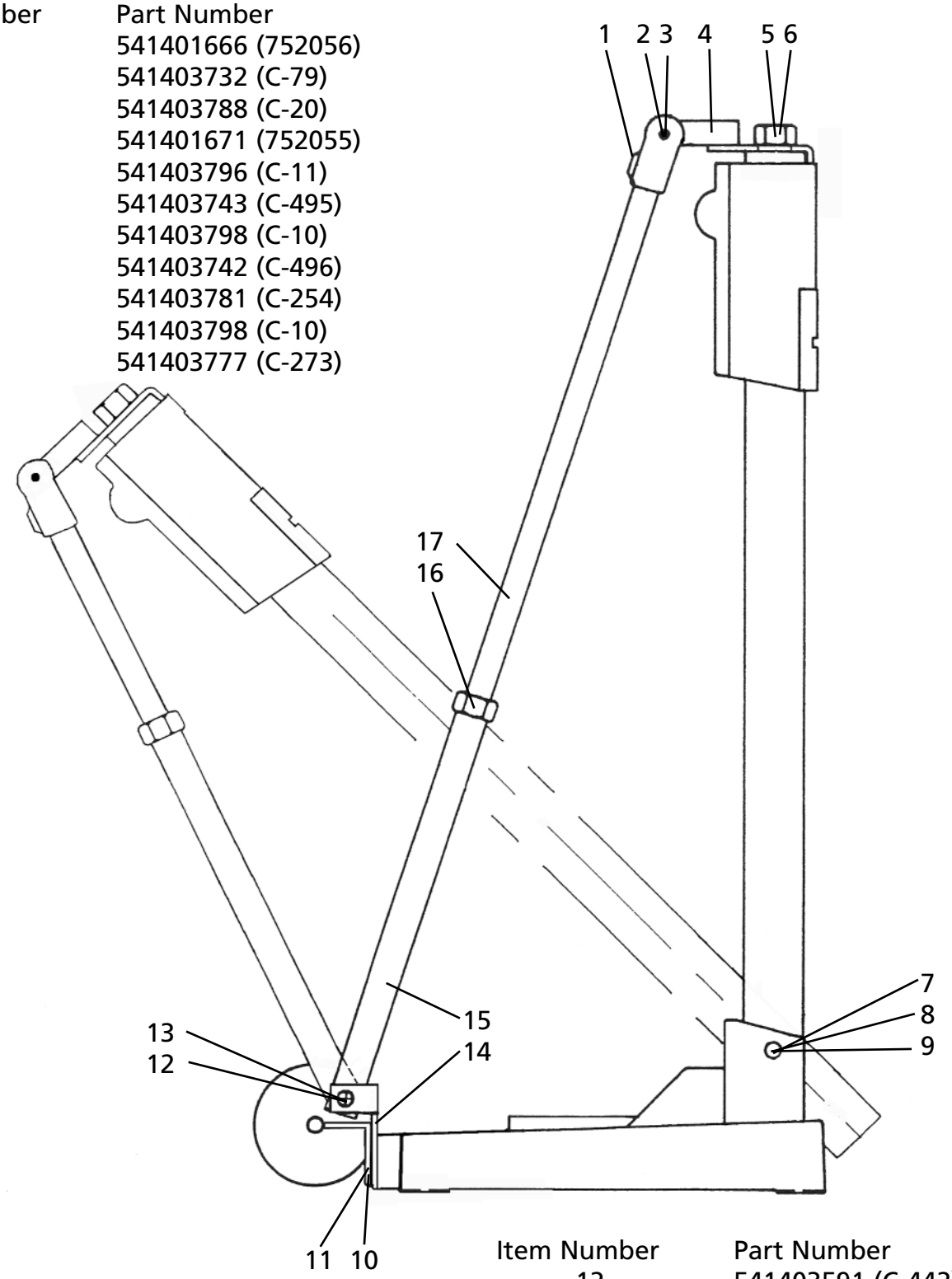


Item Number	Part Number
1	541 40 16-02 (407)
2	541 40 39-27 (752222)
3	541 40 16-46 (752223)
4	541 40 37-31 (C8)
5	541 40 37-98 (C10)
6	541 40 16-40 (752226A)
7	541 40 35-34 (C382)
8	541 40 38-96 (752220)
9	541 20 19-85 (752221)
10	541 40 37-31 (C8)
11	541 40 37-98 (C10)
12	541 40 11-26 (187A) Assy
	541 40 11-23 (189) Axle
	541 40 17-91 (752008) Wheel
13	541 40 22-34 (C494)
14	541 40 16-35 (752227)
15	541 40 24-22 (A42)
16	541 40 24-23 (A41)
17	541 40 24-22 (A42)
18	541 40 14-91 (447)
19	541 40 14-95 (445)
20	541 40 24-23 (A41)
21	541 40 15-96 (408)



2512 Vacuum Assembly
Shown with Combo Base and Wheel Assembly

Item Number	Part Number
1	541401666 (752056)
2	541403732 (C-79)
3	541403788 (C-20)
4	541401671 (752055)
5	541403796 (C-11)
6	541403743 (C-495)
7	541403798 (C-10)
8	541403742 (C-496)
9	541403781 (C-254)
10	541403798 (C-10)
11	541403777 (C-273)



Item Number	Part Number
12	541403591 (C-442)
13	541403734 (C-71)
14	541401694 (752051)
15	541401688 (752052)
16	541401677 (752053)
17	541401683 (752053)

ELECTROLUX CONSTRUCTION PRODUCTS
Product Limited Warranty

Equipment manufactured by Electrolux Construction Products (a division of Electrolux Professional Outdoor Products, Inc.) is warranted to be free from defects in material and workmanship if operated properly, without abuse or negligence in normal service applications for a period of **two (2) years from date of purchase by the original consumer purchaser** with the following exception:

Target DR 150 Core Drills	Three (3) months	Felker FRS-30	One (1) year
Felker FTS-50	Three (3) months	Felker FRS-38	One (1) year
Felker FTS-70	Six (6) months	Felker FRS-51	One (1) year
Felker TM-75	One (1) year	Felker Track Master II	One (1) year
Felker FTS-150	One (1) year		

Keep all payment records (bill of sale/delivery slip). The date on these records establishes the warranty period. Should warranty service be required, you must show proof of purchase. If proof of purchase cannot be supplied, the warranty period will determined from the date of manufacture of the product.

All warranty claims will be determined after inspection at a designated facility. Write or call Electrolux at 17400 W. 119th Street, Olathe, KS 66061, 800-365-5040, for instructions. The customer must prepay the freight and absorb any labor expense required to return or replace a product submitted to Electrolux for warranty consideration. Electrolux will pay return shipping expenses for repaired or approved replacement products. **Under no circumstances will Electrolux be responsible for incidental or consequential damages.**

The responsibility of Electrolux under this warranty is limited to the repair or replacement, at our option, of defective parts and assemblies at its plant in Olathe, KS and Torrance, CA, and does not cover engines, motors, pumps, transmissions and other trade accessories sold with, attached to, or operated with Electrolux products. Such components, parts and accessories are subject to the original manufacturer's warranty policy and procedures. Normal wear items, such as filters, V-belts and wheels are not covered under this warranty.

The Electrolux warranty does not apply to defects caused by abuse, modifications, low voltage, acts of God, unreasonable use, faulty repairs made by others or damage or loss caused by failure to provide reasonable maintenance. All warranties are void if the equipment or any of its components are altered or modified by the purchased, or if the product is used in a manner or with a blade not recommended by the manufacture.

The foregoing express warranties are in lieu of all other warranties. **ELECTROLUX EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

Some states do not allow exclusion of warranties or limitations of damages, so the limitations and exclusions contained in this warranty may not apply to you. This warranty gives you specific legal rights. You many have additional rights, which vary from state to state.

Target Corporate Office
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Olathe, Kansas 66061

Customer Service: 800-288-5040
Customer Serv. Fax: 800-825-0028
Corporate Office: 913-928-1000
Corp. Office Fax: 913-438-7951

Target California
Customer Service: 310-381-3100
Customer Serv. Fax: 310-381-3194

Target Canada
Customer Service: 800-461-9589
Customer Serv. Fax: 800-728-1907

Target International
Customer Service: 913-928-1300
Customer Serv. Fax: 913-438-7938

⚠ DUST WARNING ⚠

Cutting, especially when DRY cutting, generates dust that comes from the material being cut, which frequently contains silica. Silica is a basic component of sand, quartz, brick clay, granite and numerous other minerals and rocks. Exposure to excessive amount of such dust can cause:

- Respiratory diseases (affecting your ability to breath), including chronic bronchitis, silicosis and pulmonary fibrosis from exposure to silica. These diseases may be fatal;
- Skin irritation and rash; and
- Cancer according to NTP* and IARC*

* National Toxicology Program / International Agency for Research on Cancer

Take precautionary steps

- Avoid inhalation of and skin contact with dust, mist and fumes;
- Wet cut when feasible, to minimize dust;
- Wear and ensure that all bystanders wear appropriate respiratory protection such as dust masks designed to filter out microscopic particles. (See OSHA 29 CFR Part 1910.1200)

California Prop 65 Warning:
Use of this product can cause exposure to materials known to the State of California to cause cancer and/or birth defects or other reproductive harm.

TARGET®

www.targetblue.com